

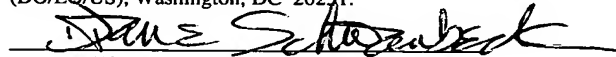
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of)	
)	Examiner: Unassigned
Hyo Hoon LEE et al.)	
)	Art Unit: Unassigned
Application No. Unassigned)	
)	Docket No. ASIAP114
Filed: February 22, 2002)	
)	February 22, 2002
For: MICROORGANISMS AND METHODS)	
<u>FOR PRODUCING THREONINE</u>)	

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached herein are being deposited with the United States Postal Service on February 22, 2002 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV053657712US, addressed to the Designated/Elected Office (DO/EO/US), Washington, DC 20231.


Diane Schwanbeck

TRANSMITTAL OF DOCUMENTS FOR FILING UNDER 35 U.S.C. § 371

Designated/Elected Office (DO/EO/US)
Washington, D.C. 20231

Sir:

Applicants are hereby transmitting the following documents for the above-identified patent application:

1. Transmittal Letter to the United States Designated/Elected Office;
2. Copy of the PCT Request with as-filed International Application;
3. Copy of the International Search Report;
4. Copy of the International Preliminary Examination Report;
5. Preliminary Amendment; and
6. A check in the amount of \$1,170.00

Applicants believe that no further fees are due in connection with the filing of the above-named documents. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 50-0805 (Order No. ASIAP114).

Respectfully submitted,
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PO-99171	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/KR 99/00488	International filing date (<i>day/month/year</i>) 26 August 1999 (26.08.1999)	(Earliest) Priority Date (<i>day/month/year</i>)
Applicant Daesang Corporation et al.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title.

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.: _____

☐ as suggested by the applicant.

☐ None of the figures.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR 99/00488

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C 12 N 1/20; C 12 P 13/08 // (C 12 N 1/20; C 12 R 1:19)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: C 12 N 1/20; C 12 P 13/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, CAS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ZA 9810327 A (DAESANG CORP) 28 July 1999 (28.07.99) abstract Database WPI on EPOQUE, week 199948, London: Derwent Publications Ltd., AN: 199-572381	1-8
A	JP 1039996 A (TORAY IND INC) 10 February 1989 (10.02.89) abstract Database WPI on EPPQUE, week 198912, London: Derwent Publications, Ltd., AN: 1.8.89, 9711.	1-5,8
A	EP 0213536 B1 (TORAY INDUSTRIES, INC.) 18 March 1992 (18.03.92) claims 1,6,7.	1-5,8
A	US 5264353A (YAMADA et al.) 23 November 1993 (23.11.93) column 1, lines 54-68; column 3, line 36 - column 4, line 66; claim 2. ----	1-5,8

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

14 April 2000 (14.04.2000)

Date of mailing of the international search report

11 August 2000 (11.08.2000)

Name and mailing address of the ISA/AT

Austrian Patent Office

Kohlmarkt 8-10; A-1014 Vienna

Facsimile No. 1/53424/535

Authorized officer

Mosser

Telephone No. 1/53424/437

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR 99/00488

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
ZA	A	9810327	20-05-1999	WO	A1	00009660	24-02-2000
JP	A2	1039996	10-02-1989	none			
EP	A2	213536	11-03-1987	DE	C0	3684383	23-04-1992
EP	A3	213536	23-03-1988	JP	A2	62198396	02-09-1987
EP	B1	213536	18-03-1992	JP	B4	4068916	04-11-1992
				JP	A2	62044193	26-02-1987
				JP	B4	3013875	25-02-1991
				US	A	5264353	23-11-1993
US	A	5264353	23-11-1993	JP	A2	61201856	06-09-1986
US	A	5264353	23-11-1993				
US	A	5264353	23-11-1993				